



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

VIA ELECTRONIC MAIL
DELIVERY RECEIPT REQUESTED

Dan Fearday, Plant Manager
Rain CII Carbon LLC
12187 E. 950th Ave.
Robinson, IL 62454

Re: Notice of Violation
Rain CII Carbon Inc.
Robinson, IL 62454

Dear Mr. Fearday:

The U.S. Environmental Protection Agency is issuing the enclosed Notice of Violation (NOV) to Rain CII Carbon LLC (you or Rain CII Carbon) under Section 113(a)(1) of the Clean Air Act, 42 U.S.C. § 7413(a)(1). We find that you are violating the Illinois State Implementation Plan at your Robinson, IL facility.

Section 113 of the Clean Air Act gives us several enforcement options. These options include issuing an administrative compliance order, issuing an administrative penalty order, and bringing a judicial civil or criminal action.


We are offering you an opportunity to confer with us about the violations alleged in the NOV. The conference will give you an opportunity to present information on the specific findings of violation, any efforts you have taken to comply and the steps you will take to prevent future violations. In addition, in order to make the conference more productive, we encourage you to submit to us information responsive to the NOV prior to the conference date.

Please plan for your facility's technical and management personnel to attend the conference to discuss compliance measures and commitments. You may have an attorney represent you at this conference.

The EPA contact in this matter is Karyn DeFranco. You may call her at (312)-886-0725 or email her at defranco.karyn@epa.gov to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,

**Brian
Dickens**

 Digitally signed by Brian
Dickens
Date: 2021.09.03
09:23:54 -05'00'

Brian Dickens

Chief, Air Enforcement and Compliance Assurance Section MN/OH

cc: Kent Mohr, Manager
Compliance Section
Bureau of Air
Illinois Environmental Protection Agency
Kent.Mohr@Illinois.gov

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

Rain CII Carbon LLC
Robinson, Illinois

Proceedings Pursuant to
Section 113(a)(1) of the
Clean Air Act, 42 U.S.C.
§ 7413(a)(1)

)
)
)
)
)
)
)
)
)
)

NOTICE OF VIOLATION

EPA-5-21-IL-13

NOTICE OF VIOLATION

The U.S. Environmental Protection Agency (EPA) is issuing this Notice of Violation under Section 113(a)(1) of the Clean Air Act, 42 U.S.C. § 7413(a)(1). EPA finds that Rain CII Carbon LLC (Rain CII Carbon) is violating the Illinois State Implementation Plan (SIP), as follows:

Statutory and Regulatory Background

1. The CAA, 42 U.S.C. § 7401 *et seq.*, and the regulations promulgated thereunder, establish a statutory and regulatory scheme designed to protect and enhance the quality of the nation's air so as to promote the public health and welfare and the productive capacity of its population.
2. Section 110 of the CAA, 42 U.S.C. § 7410, requires each state to adopt and submit to EPA a plan that provides for the implementation, maintenance, and enforcement of primary and secondary National Ambient Air Quality Standards in each air quality control region (or portion thereof) within the state. Upon approval by EPA, the plan becomes a part of the applicable state implementation plan ("SIP") for the state.
3. On May 31, 1972, EPA approved 35 Illinois Administrative Code ("Ill. Adm. Code" or "IAC") Title (tit.) 201, "Permits and General Conditions," into the federally enforceable SIP of Illinois. 37 Fed. Reg. 10,862 (May 31, 1972) (codified at 40 C.F.R. 52.722). Since then, EPA has approved several revisions of 35 IAC tit. 201 into the federally enforceable SIP. *See, e.g.*, 82 Fed. Reg. 30,363 (June 30, 2017).
4. 35 Ill. Adm. Code 201.144 states that "[n]o person shall cause or allow the operation of any existing emission source or any existing air pollution control equipment without first obtaining an operating permit from the [Illinois Environmental Protection] Agency ("Agency" or "IEPA"), except as provided in Section 201.146."
5. On December 17, 1992, EPA approved the incorporation of the Illinois state operating permit program into the federally enforceable SIP of Illinois as 40 C.F.R. 52.737. 57 Fed. Reg. 59,935 (Dec. 17, 1992).

6. 40 C.F.R 52.737 states that “[e]mission limitation and other provisions contained in operating permits issued by the State in accordance with the provisions of the federally approved permit program shall be the applicable requirements of the federally approved Illinois SIP for the purpose of section 113 of the Clean Air Act and shall be enforceable by USEPA and by any person in the same manner as other requirements of the SIP.”
7. Rain CII Carbon owns and operates a petroleum and coal products manufacturing facility at 12187 E 950th Avenue, Robinson, IL 62454.
8. On January 2, 2014, the IEPA issued Permit No. 95120092 (2014 Permit) to Rain CII Carbon.
9. Section 4.2(2)(f)(i)(A) of the 2014 Permit sets forth that Pursuant to Section 39.5(7)(a) of the Illinois Environmental Protection Act (“Act”), Rain CII Carbon “shall maintain and operate all equipment associated with the Petroleum Coke Calcining Operations in a manner consistent with safety and good air pollution control practice for minimizing emissions.”
10. Section 4.2(2)(d)(i)(A)(II) of the 2014 Permit sets forth that Pursuant to 35 IAC 215.302(c), for the kilns, emissions of organic material in excess of those permitted by 35 IAC 215.301 are allowable if Volatile Organic Materials (“VOM”) emissions are controlled by air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere.
11. On March 17, 2015, the Office of the Attorney General, on behalf of the People of the State of Illinois (“People”), filed a third amended complaint against Rain CII Carbon, LLC (Respondent). *See* Third amended compl., *People v. Rain CII Carbon LLC*, PCB No. 04-137 (Mar. 17, 2015).
12. On January 10, 2017, Rain CII Carbon electronically received the Stipulation and Settlement Agreement in the case referenced in item 11 above. In the terms of settlement, the “future compliance” section sets forth that:
 - *“Except during startup and malfunction/breakdown conditions of either Line #1 (Kiln #1) or Line #2 (Kiln #2), Respondent shall operate its pyro scrubbers as follows:*
 - i. *Maintain a minimum temperature of 1800F, measured at the thermocouple(s) located at the inlet to each pyro scrubber, using a 3-hour rolling average as per current Compliance Assurance Monitoring Plan (“CAM Plan”) and current CAAPP Permit; Monitor the pyro scrubber inlet temperatures of each unit, so as to ensure that the minimum temperature is maintained; and,*
 - ii. *Utilize the inlet temperature of each pyro scrubber as the CAM indicator and develop a CAM indicator range;”*

13. On May 13, 2019, the IEPA issued Permit No. 95120092 to Rain CII Carbon (“2019 Permit”). This permit reflects the future compliance set forth in the January 10, 2017 Stipulation and Settlement Agreement.
14. Section 4.2(4)(a)(i)(A) of the 2019 Permit sets forth that pursuant to 35 IAC 201.149, 201.261, and 201.262, Rain CII Carbon is authorized to operate kiln 1 and kiln 2 and their associated pyroscrubbers in violation of the applicable requirements of Condition 4.2(2)(a)(i)(A), 4.2(2)(b)(i)(A), and 4.2(2)(d)(i)(A) during start-up. The start-up time shall be no more than 24 hours. For this purpose, the start-up time is defined as the duration from when green coke feed is introduced to the kiln until the temperature at the pyroscrubber inlet achieves the minimum operating temperature indicated in the CAM plan.
15. Pursuant to 40 C.F.R. 64.7(a) and Section 7.5(b). of the 2019 Permit, Rain CII Carbon shall comply with the monitoring requirements of the CAM Plans described in Section 7.5(e) of the 2019 Permit.
16. Section 4.2(2)(f)(i)(A) of the 2019 Permit sets forth that the Permittee shall maintain and operate all equipment associated with the Petroleum Coke Calcining Operations according to manufacturer specifications and in a manner consistent with safety and good air pollution control practice for minimizing emissions.
17. Section 4.2(2)(f)(i)(E) of the 2019 Permit sets forth that except during start-up and malfunction/breakdown conditions of either Line #1 (Kiln #1) or Line #2 (Kiln #2), the Permittee shall operate its pyroscrubbers as follows:
 - *Maintain a 3-hour rolling average minimum temperature of 1800°F, measured at the thermocouples located at the inlet to each pyroscrubber.*
18. Section 4.2(4)(b)(i)(C)-(D) of the 2019 Permit sets forth that for baghouse maintenance lasting up to thirty minutes, emissions from Cooler 1 may be vented through Pyroscrubber 1, and emissions from Cooler 2 may be vented through Pyroscrubber 2.

Factual Background

19. On January 23, 2020, EPA issued an information request (“January 2020 Information Request”) to Rain CII pursuant to Section 114(a)(1)(G) and (a)(2) of the CAA, 42 U.S.C. § 7414(a)(1)(G) and (a)(2). EPA requested information including 3-hour rolling average temperatures of the Pyroscrubber inlets, cooler gas diversions, and hourly green coke feed rates from January 2016 to present.
20. Rain CII Carbon responded to item 5 of the January 2020 Information Request with the 3-hour rolling average temperature at the inlet of each pyroscrubber and at the inlet of each baghouse from January 1, 2016 to February 20, 2020.
21. Rain CII Carbon responded to item 4 of the January 2020 Information Request with baghouse clean out dates that show that offline baghouse cleanouts typically last 15 to 30 minutes.

22. Rain responded to item 7 of the January 2020 Information Request with the hourly coke feed rate to each kiln from January 1, 2016 to February 20, 2020.
23. Rain responded to item 10 of the January 2020 Information Request with a copy of the electronic log of cooler gas diversions with the date and time of each diversion, the reason for the diversion, and the explanation/repair activities undertaken as a result of the diversion. Between September 2, 2016 and February 2, 2020, Rain CII Carbon logged 1,238 events of cooler gas diversions that listed “Baghouse Clean Out” as the description of the reason for diversion and “Cleaned Out Baghouse Offline” as the action taken.
24. On December 21, 2020, EPA issued an information request (“December 2020 Information Request”) to Rain CII pursuant to Section 114(a)(1)(G) and (a)(2) of the CAA, 42 U.S.C. § 7414(a)(1)(G) and (a)(2). EPA requested information including baghouse bag replacements, baghouse pressure drops, cooler gas diversions procedures, baghouse maintenance information, and baghouse cleanout actions for specific dates.
25. Rain CII Carbon responded to item 3 of the December 2020 Information Request with the pressure drop across each baghouse from January 1, 2016 to January 1, 2021. In their response item 3 and item 4, Rain CII Carbon stated that normally operators will take a baghouse offline when the differential pressure (DP) drop nears 8” of water and will troubleshoot the high DP, by performing a baghouse cleanout if the DP is near or > 8” of water and/or Rain CII Carbon received a high DP alarm and if the baghouse is in ‘Auto’.
26. Rain CII Carbon responded to item 5 of the December 2020 Information Request with current baghouse maintenance schedules, preventative maintenance, and instructions. In the narrative response Rain CII Carbon stated that they generate weekly and monthly preventative maintenance inspections, along with a Baghouse Title V preventative maintenance that includes internal as well as external inspections. Rain CII Carbon states that the baghouses are similar and therefore the preventative maintenance for both baghouses are identical. The Baghouse Maintenance Instructions states that:
 - A high differential pressure reading indicates bags are not cleaning sufficiently; and
 - A low differential pressure indicated bags are overcleaning or possibly torn. Overcleaning of bags could cause premature wearing of bags and reduced efficiency of dust collector. Bags should have a moderate dust cake.
27. In the response to item 7 of the December 2020 Information Request, Rain CII Carbon stated that offline cleaning of the baghouses may be required for excessive dust cake buildup or possibly because of the hopper filling due to increased dust in the cooler gases.
28. EPA asked Rain CII Carbon to identify the baghouse cleaning actions taken for Kiln #1 and Kiln #2 during 25 specified dates ranging from 2017 to 2019. Within the 25 specified dates, Rain CII Carbon identified 90 separate baghouse cleanouts.

Violations

29. In 2014-2018, Rain CII Carbon violated 35 IAC 215.302(c) and Section 39.5(7)(a) of the Act and Section 4.2(2)(d)(i)(A)(II) of the 2014 Permit by failing to maintain the pyroscrubbers at a 3-hour rolling average minimum temperature of 1800°F and thus reduce 85 percent or more of the volatile organic material for the following events:

Table 1: Kiln 1 temperature minimum alleged violations.				
Start of Event (Date/Time)	Feedrate (3-hour average)	Pyroscrubber Inlet Temperature A 3 hr Average (Degrees F)	Pyroscrubber Inlet Temperature B 3 hr Average (Degrees F)	End of Event (Date/Time) Temperature ≥1800°F
13-Oct-16 17:45:00	7.2	1772	N/A	14-Oct-16 16:30:00
14-Dec-16 07:30:00	16.4	1765	N/A	14-Dec-16 18:15:00
03-Mar-17 08:00:00	18.9	1792	N/A	03-Mar-17 10:45:00
21-Sep-17 23:30:00	4.9	1795	1749	22-Sep-17 14:45:00
27-Oct-17 11:30:00	9.9	1731	1707	27-Oct-17 16:00:00
11-Jan-18 13:30:00	16.3	1795	1792	11-Jan-18 14:30:00
29-Mar-18 11:15:00	10.5	1782	1781	29-Mar-18 15:15:00
31-May-18 14:45:00	18.0	1766	1730	31-May-18 17:15:00
30-Nov-18 22:15:00	5.5	1791	1769	01-Dec-18 02:00:00

Table 2: Kiln 2 Temperature Minimum Alleged Violations.				
Start of Event (Date/Time)	Feedrate (3-hour average)	Pyroscrubber Inlet Temperature A 3 hr Average (Degrees F)	Pyroscrubber Inlet Temperature B 3 hr Average (Degrees F)	End of Event (Date/Time) Temperature ≥1800°F
10-Nov-16 10:00:00	12.4	1759	N/A	10-Nov-16 12:00:00
14-Dec-16 12:15:00	14.5	1772	N/A	14-Dec-16 15:15:00
09-Mar-18 13:15:00	9.1	1788	1762	09-Mar-18 16:45:00
04-Apr-18 09:15:00	14.2	1796	1787	04-Apr-18 12:30:00
05-Apr-18 11:45:00	10.8	1765	1747	05-Apr-18 15:45:00
16-Jan-19 12:15:00	4.1	1733	1709	16-Jan-19 21:30:00

30. In 2019-2020, Rain CII Carbon violated Section 4.2(4)(a)(i)(A) of the 2019 Permit by failing to reach the pyroscrubber inlet minimum operating temperature within 24 hours of start-up for the following events:

Table 3: Kiln 1 Pyroscrubber Startup Alleged Violations						
Start of Feed (Date/Time)	Feedrate (1-hr average)	Feedrate (3-hr average)	Pyroscrubber Inlet Temperature 'A' 3-hr Average (°F)	Pyroscrubber Inlet Temperature 'B' 3-hr Average (°F)	Pyroscrubber Temperature ≥1800°F (Date/Time)	Time to reach ≥1800°F
14-Sep-19 14:45:00	7.1	1.0	160	115	08-Oct-19 15:00:00	23 days, 23.5 hrs
14-Sep-19 18:15:00	7.0	14.1	151	106	08-Oct-19 15:00:00	23 days, 19 hrs

16-Sep-19 14:00:00	12.1	0.8	104	61	08-Oct-19 15:00:00	22 days, 1 hr
05-Oct-19 18:00:00	8.7	2.0	409	377	08-Oct-19 15:00:00	2 days, 21 hrs

Table 4: Kiln 2 Pyroscrubber Startup Alleged Violations						
Start of Feed (Date/Time)	Feedrate (1-hr average)	Feedrate (3-hr average)	Pyroscrubber Inlet Temperature 'A' 3-hr Average (°F)	Pyroscrubber Inlet Temperature 'B' 3-hr Average (°F)	Pyroscrubber Temperature ≥1800°F (Date/Time)	Time to reach ≥1800°F
21-Aug-19 10:45:00	7.0	1.8	85	80	25-Aug-19 08:45:00	3 days, 22 hrs
13-Feb-20 13:00:00	4.6	0.1	891	904	LATER THAN 2/20/2020 23:45:00	>7 days
13-Feb-20 20:45:00	7.0	5.5	436	462	LATER THAN 2/20/2020 23:45:00	>7 days
14-Feb-20 02:00:00	6.4	2.4	283	300	LATER THAN 2/20/2020 23:45:00	>6 days
14-Feb-20 07:45:00	0.4	0.3	124	134	LATER THAN 2/20/2020 23:45:00	>6 days

31. In 2019-2020, Rain CII Carbon violated Section 4.2(2)(f)(i)(E) of the 2019 Permit by failing to maintain a 3-hour rolling average minimum temperature of 1800°F, measured at the thermocouples located at the inlet to each Pyroscrubber for the following events:

Table 5: Kiln 1 Temperature Minimum Alleged Violations.

Start of Event (Date/Time)	Feedrate (3-hr average)	Pyroscrubber Inlet Temperature A 3 hr Average (Degrees F)	Pyroscrubber Inlet Temperature B 3 hr Average (Degrees F)	End of Event (Date/Time) [Temperature $\geq 1800^{\circ}\text{F}$ or Feedrate (3-hr average = 0)]
31-Jul-19 22:00:00	14.4	1761	1711	01-Aug-19 00:30:00
13-Sep-19 12:30:00	3.0	1764	1727	13-Sep-19 13:00:00
09-Jan-20 04:00:00	8.7	1754	1755	09-Jan-20 12:45:00
21-Dec-19 20:45:00	10.9	1794	1795	21-Dec-19 23:30:00
20-Jan-20 11:30:00	11.0	1765	1761	20-Jan-20 17:15:00
13-Feb-20 22:45:00	18.5	1798	1791	14-Feb-20 00:45:00

Table 6: Kiln 2 Temperature Minimum Alleged Violations.

Start of Event (Date/Time)	Feedrate (3-hour average)	Pyroscrubber Inlet Temperature A 3 hr Average (Degrees F)	Pyroscrubber Inlet Temperature B 3 hr Average (Degrees F)	End of Event (Date/Time) [Temperature $\geq 1800^{\circ}\text{F}$ or Feedrate (3-hr average = 0)]
04-Jun-19 06:45:00	5.0	1765	1722	04-Jun-19 07:30:00
29-Jun-19 19:30:00	9.8	1783	1784	29-Jun-19 22:00:00
18-Aug-19 04:45:00	5.6	1738	1706	18-Aug-19 05:45:00
26-Aug-19 10:15:00	9.4	1772	1755	26-Aug-19 17:45:00
06-Sep-19 12:15:00	9.4	1767	1752	06-Sep-19 14:00:00

06-Sep-19 19:15:00	0.2	912	917	07-Sep-19 02:15:00
09-Oct-19 18:15:00	9.4	1780	1789	09-Oct-19 19:30:00
15-Oct-19 16:00:00	10.8	1785	1783	15-Oct-19 17:30:00
29-Dec-19 07:45:00	17.9	1747	1728	29-Dec-19 20:15:00
31-Dec-19 00:00:00	11.0	1775	1783	31-Dec-19 02:00:00
02-Jan-20 09:15:00	14.0	1772	1777	02-Jan-20 12:15:00
09-Jan-20 13:00:00	8.8	1743	1723	09-Jan-20 16:15:00
13-Feb-20 09:15:00	11.6	1795	1799	13-Feb-20 11:30:00
13-Feb-20 13:00:00	0.1	891	904	14-Feb-20 06:15:00


32. Between May 14, 2019 and February 12, 2020, Rain CII Carbon performed 305 offline baghouse clean outs. Rain CII Carbon performed multiple offline baghouse cleanouts on the same days, resulting in 139 offline clean out events where two or more offline cleanouts occurred on the same day. After the baghouse cleanout maintenance, differential pressure did not drop in a significant manner indicating, by Rain CII Carbon's cooler gas diversions and baghouse maintenance procedures, that the problem was not fixed. In 2019-2020, Rain CII Carbon violated Section 4.2(2)(f)(i)(A) of the 2019 Permit by failing to perform proper baghouse maintenance and emitting uncontrolled emissions during the 139 offline baghouse clean outs. *See Appendix A.*

Kiln	Number of Offline Baghouse Cleanouts	Total Minutes Cooler Diversion	Number of Days When Multiple Offline Cleanouts	Minutes of Cooler Diversion When Multiple Offline Cleanouts in Same Day
1	108	2,590	10	444
2	197	4,690	129	2,144

Environmental Impact of Violations

33. Exposure to nickel emissions, including breathing dust containing certain nickel compounds, can cause and contribute to harmful health effects including, but not limited to, chronic bronchitis, reduced lung function and cancer of the lung and nasal sinus.
34. Exposure to particulate matter, especially fine particulates, can cause and contribute to harmful health effects including, but not limited to, irritation of the airways, coughing, and difficulty breathing, decreased lung function, and chronic bronchitis.
35. Volatile Organic Compounds (VOCs) contribute to smog pollution. Exposure to VOCs can cause and contribute to harmful health effects such as drowsiness/dizziness, rapid heart rate, and respiratory issues.

Harris,
Michael

 Digitally signed by Harris,
Michael
Date: 2021.09.09 14:34:44
-05'00'

Michael D. Harris
Division Director
Enforcement and Compliance Assurance Division

APPENDIX A

TABLE 1A: Kiln 1 offline baghouse clean outs/cooler diversions with differential pressure before and after clean out.							
Start Date/Time of Cooler Diversion	Differential Pressure Reading Time	Differential Pressure before cooler diversion	End Date/Time of Cooler Diversion	Differential Pressure Reading Time	Differential Pressure after cooler diversion	Total Duration (mins)	Actions Taken
11/11/19 0:55	0:45	3.45	11/11/19 1:20	1:30	2.59	0:25:00	Cleaned Out Baghouse Offline
11/10/19 0:39	0:30	3.95	11/10/19 0:57	1:00	2.18	0:18:00	Cleaned Out Baghouse Offline
11/7/19 2:12	2:00	3.44	11/7/19 2:36	2:45	2.27	0:24:00	Cleaned Out Baghouse Offline
11/1/19 23:58	23:45	4.38	11/2/19 0:11	0:15	2.37	0:13:00	Cleaned Out Baghouse Offline
9/12/19 21:30	21:30	3.93	9/12/19 21:52	22:00	4.09	0:22:00	Cleaned Out Baghouse Offline
9/9/19 20:06	20:00	4.02	9/9/19 20:21	20:30	3.23	0:15:00	Cleaned Out Baghouse Offline
9/8/19 20:04	20:00	3.99	9/8/19 20:29	20:45	3.77	0:25:00	Cleaned Out Baghouse Offline
9/7/19 20:07	20:00	3.86	9/7/19 20:34	20:45	3.52	0:27:00	Cleaned Out Baghouse Offline
9/7/19 3:25	3:15	3.72	9/7/19 3:50	4:00	3.36	0:25:00	Cleaned Out Baghouse Offline
9/6/19 8:13	8:00	3.73	9/6/19 8:37	8:45	3.36	0:24:00	Cleaned Out

							Baghouse Offline
9/5/19 23:30	23:30	3.77	9/5/19 23:55	0:00	3.43	0:25:00	Cleaned Out Baghouse Offline
9/5/19 9:18	9:15	3.93	9/5/19 9:36	9:45	3.67	0:18:00	Cleaned Out Baghouse Offline
9/4/19 20:13	20:00	3.79	9/4/19 20:38	20:45	3.64	0:25:00	Cleaned Out Baghouse Offline
9/3/19 20:10	20:00	3.88	9/3/19 20:36	20:45	3.53	0:26:00	Cleaned Out Baghouse Offline
9/2/19 22:25	22:15	4.04	9/2/19 22:50	23:00	3.74	0:25:00	Cleaned Out Baghouse Offline
9/2/19 0:50	0:45	4.27	9/2/19 1:15	1:30	3.97	0:25:00	Cleaned Out Baghouse Offline
8/30/19 20:26	20:15	4.05	8/30/19 20:55	21:00	4.08	0:29:00	Cleaned Out Baghouse Offline
8/29/19 20:32	20:30	4.20	8/29/19 20:58	21:00	3.70	0:26:00	Cleaned Out Baghouse Offline
8/28/19 20:00	20:00	4.85	8/28/19 20:25	20:30	2.66	0:25:00	Cleaned Out Baghouse Offline
8/26/19 19:30	19:30	4.66	8/26/19 19:55	20:00	4.15	0:25:00	Cleaned Out Baghouse Offline
8/25/19 20:00	20:00	4.76	8/25/19 20:25	20:30	4.47	0:25:00	Cleaned Out Baghouse Offline

8/24/19 21:00	21:00	5.05	8/24/19 21:25	21:30	4.14	0:25:00	Cleaned Out Baghouse Offline
8/23/19 11:23	11:15	3.86	8/23/19 11:46	12:00	4.01	0:23:00	Cleaned Out Baghouse Offline
8/21/19 21:10	21:00	4.90	8/21/19 21:35	21:45	4.72	0:25:00	Cleaned Out Baghouse Offline
8/20/19 22:20	22:15	5.05	8/20/19 22:45	23:00	4.97	0:25:00	Cleaned Out Baghouse Offline
8/19/19 22:51	22:45	4.99	8/19/19 23:16	23:30	4.62	0:25:00	Cleaned Out Baghouse Offline
8/18/19 22:25	22:15	5.49	8/18/19 22:38	22:45	4.20	0:13:00	Cleaned Out Baghouse Offline
8/17/19 22:35	22:30	5.76	8/17/19 23:00	23:15	5.11	0:25:00	Cleaned Out Baghouse Offline
8/16/19 20:12	20:00	5.33	8/16/19 20:37	20:45	4.81	0:25:00	Cleaned Out Baghouse Offline
8/15/19 20:23	20:15	5.45	8/15/19 20:48	21:00	4.79	0:25:00	Cleaned Out Baghouse Offline
8/14/19 20:25	20:15	5.84	8/14/19 20:50	21:00	4.99	0:25:00	Cleaned Out Baghouse Offline
8/12/19 20:40	20:30	5.77	8/12/19 21:05	21:15	4.61	0:25:00	Cleaned Out Baghouse Offline
8/11/19 20:10	20:00	6.06	8/11/19 20:35	20:45	5.07	0:25:00	Cleaned Out Baghouse Offline

8/10/19 21:25	21:15	5.31	8/10/19 21:50	22:00	4.57	0:25:00	Cleaned Out Baghouse Offline
8/9/19 23:05	23:00	5.38	8/9/19 23:30	23:45	4.92	0:25:00	Cleaned Out Baghouse Offline
8/8/19 22:20	22:15	5.67	8/8/19 22:45	23:00	4.97	0:25:00	Cleaned Out Baghouse Offline
8/7/19 21:25	21:15	5.46	8/7/19 21:50	22:00	4.88	0:25:00	Cleaned Out Baghouse Offline
8/6/19 21:29	21:15	5.56	8/6/19 21:54	22:00	4.80	0:25:00	Cleaned Out Baghouse Offline
8/6/19 1:15	1:15	5.01	8/6/19 1:40	1:45	4.06	0:25:00	Cleaned Out Baghouse Offline
8/5/19 1:26	1:15	4.61	8/5/19 1:51	2:00	3.87	0:25:00	Cleaned Out Baghouse Offline
7/30/19 1:21	1:15	5.40	7/30/19 1:46	2:00	5.40	0:25:00	Cleaned Out Baghouse Offline
7/29/19 20:01	20:00	5.40	7/29/19 20:25	20:30	5.40	0:24:00	Cleaned Out Baghouse Offline
7/28/19 20:05	20:00	5.14	7/28/19 20:30	20:45	4.64	0:25:00	Cleaned Out Baghouse Offline
7/26/19 20:25	20:15	4.27	7/26/19 20:50	21:00	4.12	0:25:00	Cleaned Out Baghouse Offline
7/24/19 20:30	20:30	4.26	7/24/19 20:55	21:00	3.88	0:25:00	Cleaned Out Baghouse Offline

7/23/19 22:00			7/23/19 22:25			0:25:00	Cleaned Out Baghouse Offline
	22:00	4.27		22:30	3.86		
7/22/19 22:25			7/22/19 22:43			0:18:00	Cleaned Out Baghouse Offline
	22:15	4.09		22:45	3.96		
7/22/19 20:30			7/22/19 20:55			0:25:00	Cleaned Out Baghouse Offline
	20:30	4.59		21:00	3.96		
7/19/19 22:00			7/19/19 22:25			0:25:00	Cleaned Out Baghouse Offline
	22:00	4.19		22:30	3.57		
7/18/19 20:32			7/18/19 20:55			0:23:00	Cleaned Out Baghouse Offline
	20:30	4.26		21:00	3.97		
7/17/19 20:10			7/17/19 20:35			0:25:00	Cleaned Out Baghouse Offline
	20:00	4.81		20:45	3.96		
7/16/19 20:10			7/16/19 20:35			0:25:00	Cleaned Out Baghouse Offline
	20:00	4.98		20:45	4.19		
7/15/19 19:58			7/15/19 20:23			0:25:00	Cleaned Out Baghouse Offline
	19:45	4.73		20:30	4.23		
7/14/19 22:34			7/14/19 22:59			0:25:00	Cleaned Out Baghouse Offline
	22:30	5.62		23:00	4.65		
7/13/19 22:19			7/13/19 22:44			0:25:00	Cleaned Out Baghouse Offline
	22:15	5.73		22:45	4.31		
7/12/19 23:20			7/12/19 23:45			0:25:00	Cleaned Out Baghouse Offline
	23:15	5.78		0:00	4.99		
7/11/19 23:00			7/11/19 23:25			0:25:00	Cleaned Out Baghouse Offline
	23:00	5.46		23:30	4.86		

7/10/19 22:23	22:15	5.75	7/10/19 22:48	23:00	5.06	0:25:00	Cleaned Out Baghouse Offline
7/9/19 22:23	22:15	5.63	7/9/19 22:48	23:00	4.96	0:25:00	Cleaned Out Baghouse Offline
7/8/19 23:10	23:00	5.32	7/8/19 23:35	23:45	4.40	0:25:00	Cleaned Out Baghouse Offline
7/7/19 23:01	23:00	5.64	7/7/19 23:26	23:30	4.08	0:25:00	Cleaned Out Baghouse Offline
7/7/19 0:40	0:30	5.90	7/7/19 1:05	1:15	4.52	0:25:00	Cleaned Out Baghouse Offline
7/5/19 22:05	22:00	5.76	7/5/19 22:30	22:30	4.56	0:25:00	Cleaned Out Baghouse Offline
7/4/19 22:17	22:15	5.74	7/4/19 22:41	22:45	4.55	0:24:00	Cleaned Out Baghouse Offline
7/3/19 22:35	22:30	5.39	7/3/19 23:00	23:15	4.48	0:25:00	Cleaned Out Baghouse Offline
7/2/19 22:35	22:30	5.76	7/2/19 23:00	23:15	4.76	0:25:00	Cleaned Out Baghouse Offline
7/1/19 21:41	21:30	5.74	7/1/19 22:06	22:15	4.43	0:25:00	Cleaned Out Baghouse Offline
6/30/19 22:11	22:00	6.09	6/30/19 22:36	22:45	4.63	0:25:00	Cleaned Out Baghouse Offline
6/29/19 0:56	0:45	5.79	6/29/19 1:21	1:30	5.72	0:25:00	Cleaned Out Baghouse Offline

6/27/19 22:27	22:15	6.35	6/27/19 22:38	22:45	4.46	0:11:00	Cleaned Out Baghouse Offline
6/26/19 21:37	21:30	6.15	6/26/19 21:55	22:00	4.33	0:18:00	Cleaned Out Baghouse Offline
6/25/19 20:40	20:30	6.59	6/25/19 21:05	21:15	4.73	0:25:00	Cleaned Out Baghouse Offline
6/21/19 20:02	20:00	6.01	6/21/19 20:26	20:30	4.55	0:24:00	Cleaned Out Baghouse Offline
6/21/19 2:00	2:00	5.98	6/21/19 2:25	2:30	5.41	0:25:00	Cleaned Out Baghouse Offline
6/20/19 2:12	2:00	6.23	6/20/19 2:25	2:30	4.93	0:13:00	Cleaned Out Baghouse Offline
6/17/19 22:05	22:00	6.62	6/17/19 22:31	22:45	5.37	0:26:00	Cleaned Out Baghouse Offline
6/16/19 22:09	22:00	6.78	6/16/19 22:34	22:45	5.41	0:25:00	Cleaned Out Baghouse Offline
6/15/19 22:21	22:15	6.34	6/15/19 22:46	23:00	5.40	0:25:00	Cleaned Out Baghouse Offline
6/14/19 20:14	20:00	6.61	6/14/19 20:39	20:45	4.73	0:25:00	Cleaned Out Baghouse Offline
6/14/19 1:35	1:30	6.76	6/14/19 2:00	2:15	5.88	0:25:00	Cleaned Out Baghouse Offline
6/12/19 22:35	22:30	6.88	6/12/19 23:00	23:15	5.34	0:25:00	Cleaned Out Baghouse Offline

6/11/19 21:58	21:45	7.36	6/11/19 22:23	22:45	6.64	0:25:00	Cleaned Out Baghouse Offline
6/10/19 22:26	22:15	4.53	6/10/19 22:52	23:00	4.00	0:26:00	Cleaned Out Baghouse Offline
6/9/19 23:00	23:00	4.16	6/9/19 23:25	23:30	3.64	0:25:00	Cleaned Out Baghouse Offline
6/8/19 23:15	23:15	4.43	6/8/19 23:40	23:45	3.68	0:25:00	Cleaned Out Baghouse Offline
6/7/19 21:26	21:15	4.47	6/7/19 21:52	22:00	3.67	0:26:00	Cleaned Out Baghouse Offline
6/6/19 20:06	20:00	4.33	6/6/19 20:31	20:45	3.66	0:25:00	Cleaned Out Baghouse Offline
6/6/19 1:10	1:00	4.75	6/6/19 1:35	1:45	3.67	0:25:00	Cleaned Out Baghouse Offline
6/5/19 0:20	0:15	4.66	6/5/19 0:50	1:00	4.05	0:30:00	Cleaned Out Baghouse Offline
6/3/19 20:35	20:30	4.39	6/3/19 20:55	21:00	3.64	0:20:00	Cleaned Out Baghouse Offline
6/2/19 20:00	20:00	7.18	6/2/19 20:25	20:30	5.08	0:25:00	Cleaned Out Baghouse Offline
6/1/19 20:01	20:00	7.29	6/1/19 20:26	20:30	5.19	0:25:00	Cleaned Out Baghouse Offline
5/30/19 20:30	20:30	6.15	5/30/19 20:55	21:00	4.96	0:25:00	Cleaned Out Baghouse Offline

5/29/19 20:25			5/29/19 20:50			0:25:00	Cleaned Out Baghouse Offline
	20:15	6.42		21:00	5.44		
5/28/19 20:05			5/28/19 20:30			0:25:00	Cleaned Out Baghouse Offline
	20:00	5.97		20:45	5.64		
5/27/19 21:45			5/27/19 22:10			0:25:00	Cleaned Out Baghouse Offline
	21:45	6.55		22:15	5.45		
5/26/19 22:00			5/26/19 22:25			0:25:00	Cleaned Out Baghouse Offline
	22:00	7.17		22:30	5.48		
5/24/19 20:00			5/24/19 20:25			0:25:00	Cleaned Out Baghouse Offline
	20:00	6.63		20:30	5.06		
5/23/19 20:01			5/23/19 20:25			0:24:00	Cleaned Out Baghouse Offline
	20:00	6.15		20:30	5.04		
5/22/19 20:30			5/22/19 20:55			0:25:00	Cleaned Out Baghouse Offline
	20:30	6.04		21:00	5.05		
5/21/19 11:41			5/21/19 11:46			0:05:00	Cleaned Out Baghouse Offline
	11:30	5.86		12:00	5.41		
5/20/19 20:17			5/20/19 20:42			0:25:00	Cleaned Out Baghouse Offline
	20:15	5.83		20:45	4.65		
5/19/19 20:17			5/19/19 20:42			0:25:00	Cleaned Out Baghouse Offline
	20:15	6.09		20:45	4.82		
5/18/19 20:20			5/18/19 20:45			0:25:00	Cleaned Out Baghouse Offline
	20:15	5.95		21:00	5.06		
5/18/19 1:25			5/18/19 1:50			0:25:00	Cleaned Out Baghouse Offline
	1:15	6.02		2:00	5.12		

5/16/19 23:20	23:15	5.47	5/16/19 23:45	0:00	5.29	0:25:00	Cleaned Out Baghouse Offline
5/15/19 20:18	20:15	6.05	5/15/19 20:43	20:45	4.40	0:25:00	Cleaned Out Baghouse Offline
5/14/19 20:24	20:15	5.85	5/14/19 20:49	21:00	4.87	0:25:00	Cleaned Out Baghouse Offline

TABLE 2A: Kiln 2 offline baghouse clean outs/cooler diversions with differential pressure before and after clean out.

Start Date/Time of Cooler Diversion	Differential Pressure Reading Time	Differential Pressure before cooler diversion	End Date/Time of Cooler Diversion	Differential Pressure Reading Time	Differential Pressure after cooler diversion	Total Duration (mins)	Actions Taken
2/12/20 22:10	22:00	7.59	2/12/20 22:35	22:45	6.72	0:25:00	Cleaned Out Baghouse Offline
2/12/20 3:39	3:30	7.78	2/12/20 4:04	4:15	6.77	0:25:00	Cleaned Out Baghouse Offline
2/11/20 14:00	14:00	7.96	2/11/20 14:25	14:30	6.99	0:25:00	Cleaned Out Baghouse Offline
2/11/20 2:40	2:30	7.82	2/11/20 3:05	3:15	6.89	0:25:00	Cleaned Out Baghouse Offline

2/10/20 14:38	14:30	7.81	2/10/20 15:03	15:15	7.11	0:25:00	Cleaned Out Baghouse Offline
2/10/20 4:33	4:30	7.56	2/10/20 4:55	5:00	7.08	0:22:00	Cleaned Out Baghouse Offline
2/9/20 13:43	13:30	7.59	2/9/20 14:08	14:15	7.08	0:25:00	Cleaned Out Baghouse Offline
2/9/20 1:20	1:15	7.37	2/9/20 1:45	2:00	7.04	0:25:00	Cleaned Out Baghouse Offline
2/8/20 14:01	14:00	7.92	2/8/20 14:20	14:30	7.14	0:19:00	Cleaned Out Baghouse Offline
2/8/20 1:59	1:45	7.86	2/8/20 2:24	2:30	7.04	0:25:00	Cleaned Out Baghouse Offline
2/7/20 14:40	14:30	7.80	2/7/20 14:54	15:00	7.08	0:14:00	Cleaned Out Baghouse Offline
2/7/20 3:50	3:45	7.92	2/7/20 4:15	4:30	7.09	0:25:00	Cleaned Out Baghouse Offline
2/6/20 14:30	14:15	7.93	2/6/20 14:55	15:00	7.06	0:25:00	Cleaned Out Baghouse Offline
2/5/20 22:21	22:15	7.78	2/5/20 22:31	22:45	7.13	0:10:00	Cleaned Out Baghouse Offline

2/5/20 14:12	14:00	7.90	2/5/20 14:37	14:45	7.05	0:25:00	Cleaned Out Baghouse Offline
2/4/20 20:15	20:15	7.68	2/4/20 20:40	20:45	6.84	0:25:00	Cleaned Out Baghouse Offline
2/4/20 14:19	14:15	7.73	2/4/20 14:43	14:45	7.14	0:24:00	Cleaned Out Baghouse Offline
2/4/20 4:30	4:30	7.65	2/4/20 4:55	5:00	6.97	0:25:00	Cleaned Out Baghouse Offline
2/4/20 4:30	4:30	7.65	2/4/20 4:55	5:00	6.97	0:25:00	Cleaned Out Baghouse Offline
2/3/20 14:08	14:00	7.53	2/3/20 14:33	14:45	7.12	0:25:00	Cleaned Out Baghouse Offline
2/3/20 4:15	4:15	7.58	2/3/20 4:40	4:45	6.67	0:25:00	Cleaned Out Baghouse Offline
2/2/20 10:08	10:00	8.15	2/2/20 10:33	10:45	6.77	0:25:00	Cleaned Out Baghouse Offline
2/1/20 13:29	13:15	7.80	2/1/20 13:54	14:00	7.01	0:25:00	Cleaned Out Baghouse Offline
1/31/20 20:25	20:15	7.70	1/31/20 20:50	21:00	6.68	0:25:00	Cleaned Out Baghouse Offline

1/30/20 22:30	22:30	7.61	1/30/20 22:54	23:00	6.37	0:24:00	Cleaned Out Baghouse Offline
1/29/20 17:01	17:00	7.58	1/29/20 17:26	17:30	6.38	0:25:00	Cleaned Out Baghouse Offline
1/28/20 17:47	17:45	7.95	1/28/20 18:12	18:15	6.28	0:25:00	Cleaned Out Baghouse Offline
1/25/20 16:21	16:15	7.84	1/25/20 16:45	Next "Online" 1/25/2020 21:45:00	5.71	0:24:00	Cleaned Out Baghouse Offline
1/25/20 1:10	1:00	7.41	1/25/20 1:35	1:45	6.77	0:25:00	Cleaned Out Baghouse Offline
1/23/20 21:50	21:45	7.64	1/23/20 22:15	22:30	6.84	0:25:00	Cleaned Out Baghouse Offline
1/22/20 10:40	10:30	8.59	1/22/20 11:05	11:15	6.59	0:25:00	Cleaned Out Baghouse Offline
1/21/20 8:25	8:15	7.51	1/21/20 8:50	9:00	6.32	0:25:00	Cleaned Out Baghouse Offline
1/18/20 9:10	9:00	7.92	1/18/20 9:35	9:45	6.61	0:25:00	Cleaned Out Baghouse Offline
1/16/20 8:55	8:45	7.13	1/16/20 9:20	9:30	5.72	0:25:00	Cleaned Out Baghouse Offline

1/15/20 8:36	8:30	7.82	1/15/20 9:01	9:15	6.73	0:25:00	Cleaned Out Baghouse Offline
1/13/20 8:49	8:45	7.97	1/13/20 8:57	9:15	7.42	0:08:00	Cleaned Out Baghouse Offline
1/10/20 15:53	15:45	6.85	1/10/20 16:18	16:30	6.45	0:25:00	Cleaned Out Baghouse Offline
1/8/20 20:10	20:00	7.32	1/8/20 20:34	20:45	7.19	0:24:00	Cleaned Out Baghouse Offline
1/8/20 5:30	5:15	8.10	1/8/20 5:45	6:00	6.77	0:15:00	Cleaned Out Baghouse Offline
1/7/20 10:46	10:45	7.73	1/7/20 11:12	11:15	7.01	0:26:00	Cleaned Out Baghouse Offline
1/6/20 10:37	10:30	7.91	1/6/20 11:02	11:15	7.06	0:25:00	Cleaned Out Baghouse Offline
1/5/20 17:15	17:15	7.69	1/5/20 17:40	17:45	6.65	0:25:00	Cleaned Out Baghouse Offline
1/5/20 10:10	10:00	7.61	1/5/20 10:18	10:30	7.19	0:08:00	Cleaned Out Baghouse Offline
1/4/20 14:40	14:30	7.61	1/4/20 15:05	15:15	6.78	0:25:00	Cleaned Out Baghouse Offline

1/4/20 5:42			1/4/20 6:00			0:18:00	Cleaned Out Baghouse Offline
	5:30	7.86		6:15	6.87		
1/2/20 23:45			1/3/20 0:10			0:25:00	Cleaned Out Baghouse Offline
	23:45	7.46		0:15	6.60		
1/1/20 15:28			1/1/20 15:53			0:25:00	Cleaned Out Baghouse Offline
	15:15	7.58		16:00	6.51		
12/31/19 15:15			12/31/19 15:40			0:25:00	Cleaned Out Baghouse Offline
	15:15	7.81		15:45	6.74		
12/30/19 12:30			12/30/19 12:55			0:25:00	Cleaned Out Baghouse Offline
	12:30	7.49		13:00	6.75		
12/29/19 10:05			12/29/19 10:23			0:18:00	Cleaned Out Baghouse Offline
	10:00	9.53		10:30	7.07		
12/26/19 10:10			12/26/19 10:35			0:25:00	Cleaned Out Baghouse Offline
	10:00	7.67		10:45	6.73		
12/24/19 13:11			12/24/19 13:35			0:24:00	Cleaned Out Baghouse Offline
	13:00	7.20		13:45	6.55		
12/23/19 23:16			12/23/19 23:41			0:25:00	Cleaned Out Baghouse Offline
	23:15	7.27		23:45	6.55		
12/23/19 3:01			12/23/19 3:26			0:25:00	Cleaned Out Baghouse Offline
	3:00	7.18		3:30	6.50		

12/22/19 4:45	4:45	8.34	12/22/19 5:11	5:15	6.50	0:26:00	Cleaned Out Baghouse Offline
12/20/19 8:45	8:45	7.87	12/20/19 8:56	9:00	6.85	0:11:00	Cleaned Out Baghouse Offline
12/17/19 22:06	22:00	7.92	12/17/19 22:12	22:15	7.17	0:06:00	Cleaned Out Baghouse Offline
12/16/19 22:02	22:00	7.58	12/16/19 22:27	22:30	6.29	0:25:00	Cleaned Out Baghouse Offline
12/14/19 20:10	20:00	7.44	12/14/19 20:35	20:45	6.77	0:25:00	Cleaned Out Baghouse Offline
12/13/19 0:50	0:45	7.44	12/13/19 1:15	1:30	6.22	0:25:00	Cleaned Out Baghouse Offline
12/11/19 21:02	21:00	7.36	12/11/19 21:26	21:30	6.31	0:24:00	Cleaned Out Baghouse Offline
12/10/19 20:00	20:00	7.66	12/10/19 20:25	20:30	6.69	0:25:00	Cleaned Out Baghouse Offline
12/9/19 14:45	14:45	7.07	12/9/19 15:10	15:15	6.69	0:25:00	Cleaned Out Baghouse Offline
12/8/19 14:41	14:30	7.01	12/8/19 15:06	15:15	6.52	0:25:00	Cleaned Out Baghouse Offline

12/7/19 15:05	15:00	7.76	12/7/19 15:30	15:45	6.44	0:25:00	Cleaned Out Baghouse Offline
12/5/19 21:05	21:00	6.93	12/5/19 21:30	21:45	6.44	0:25:00	Cleaned Out Baghouse Offline
12/4/19 13:40	13:30	7.39	12/4/19 14:08	14:15	6.53	0:28:00	Cleaned Out Baghouse Offline
12/3/19 13:45	13:45	7.39	12/3/19 14:10	14:15	6.67	0:25:00	Cleaned Out Baghouse Offline
12/2/19 13:01	13:00	7.39	12/2/19 13:26	13:30	6.44	0:25:00	Cleaned Out Baghouse Offline
12/1/19 8:15	8:15	7.62	12/1/19 8:40	8:45	6.90	0:25:00	Cleaned Out Baghouse Offline
11/30/19 1:45	1:45	7.58	11/30/19 2:10	2:15	6.71	0:25:00	Cleaned Out Baghouse Offline
11/28/19 1:00	1:00	7.46	11/28/19 1:25	1:30	7.48	0:25:00	Cleaned Out Baghouse Offline
11/27/19 5:22	5:15	5.40	11/27/19 5:27	5:30	6.51	0:05:00	Cleaned Out Baghouse Offline
11/25/19 2:35	2:30	7.45	11/25/19 3:00	3:15	6.34	0:25:00	Cleaned Out Baghouse Offline

11/22/19 20:24	20:15	7.12	11/22/19 20:44	20:45	6.24	0:20:00	Cleaned Out Baghouse Offline
11/21/19 20:23	20:15	7.67	11/21/19 20:47	21:00	6.62	0:24:00	Cleaned Out Baghouse Offline
11/20/19 4:10	4:00	7.66	11/20/19 4:35	4:45	6.57	0:25:00	Cleaned Out Baghouse Offline
11/17/19 22:00	22:00	7.13	11/17/19 22:25	22:30	6.16	0:25:00	Cleaned Out Baghouse Offline
11/12/19 1:57	1:45	7.26	11/12/19 2:22	2:30	6.89	0:25:00	Cleaned Out Baghouse Offline
11/11/19 21:28	21:15	7.36	11/11/19 21:53	22:00	6.75	0:25:00	Cleaned Out Baghouse Offline
11/11/19 0:55	0:45	6.81	11/11/19 1:20	1:30	5.68	0:25:00	Cleaned Out Baghouse Offline
11/6/19 4:28	4:15	7.35	11/6/19 4:53	5:00	5.82	0:25:00	Cleaned Out Baghouse Offline
11/4/19 12:35	12:30	7.00	11/4/19 13:00	13:00	5.11	0:25:00	Cleaned Out Baghouse Offline
11/3/19 13:00	13:00	6.92	11/3/19 13:25	13:30	6.38	0:25:00	Cleaned Out Baghouse Offline

11/1/19 2:25	2:15	7.07	11/1/19 2:50	3:00	5.76	0:25:00	Cleaned Out Baghouse Offline
10/29/19 20:10	20:00	6.69	10/29/19 20:36	20:45	6.00	0:26:00	Cleaned Out Baghouse Offline
10/29/19 2:35	2:30	6.89	10/29/19 3:00	3:15	6.51	0:25:00	Cleaned Out Baghouse Offline
10/28/19 4:42	4:30	7.40	10/28/19 5:07	5:15	6.97	0:25:00	Cleaned Out Baghouse Offline
10/27/19 3:20	3:15	7.58	10/27/19 3:45	4:00	6.77	0:25:00	Cleaned Out Baghouse Offline
10/25/19 20:10	20:00	7.69	10/25/19 20:30	20:45	6.84	0:20:00	Cleaned Out Baghouse Offline
10/24/19 22:28	22:15	7.52	10/24/19 22:48	23:00	6.66	0:20:00	Cleaned Out Baghouse Offline
10/24/19 2:25	2:15	7.19	10/24/19 2:50	3:00	6.18	0:25:00	Cleaned Out Baghouse Offline
10/22/19 22:15	22:15	7.37	10/22/19 22:40	22:45	6.42	0:25:00	Cleaned Out Baghouse Offline
10/21/19 20:00	20:00	6.94	10/21/19 20:25	20:30	6.35	0:25:00	Cleaned Out Baghouse Offline

10/20/19 20:00	20:00	6.87	10/20/19 20:27	20:30	6.19	0:27:00	Cleaned Out Baghouse Offline
10/20/19 4:30	4:30	7.05	10/20/19 4:55	5:00	6.40	0:25:00	Cleaned Out Baghouse Offline
10/19/19 2:20	2:15	7.07	10/19/19 2:45	3:00	6.37	0:25:00	Cleaned Out Baghouse Offline
10/17/19 4:30	4:30	7.20	10/17/19 4:55	5:00	6.17	0:25:00	Cleaned Out Baghouse Offline
10/15/19 20:15	20:15	7.57	10/15/19 20:40	20:45	6.61	0:25:00	Cleaned Out Baghouse Offline
10/13/19 20:25	20:15	6.01	10/13/19 20:50	21:00	6.26	0:25:00	Cleaned Out Baghouse Offline
10/12/19 13:06	13:00	5.07	10/12/19 13:31	13:45	5.89	0:25:00	Cleaned Out Baghouse Offline
10/10/19 22:15	22:00	6.98	10/10/19 22:40	22:45	7.09	0:25:00	Cleaned Out Baghouse Offline
10/9/19 20:20	20:15	7.76	10/9/19 20:45	21:00	6.77	0:25:00	Cleaned Out Baghouse Offline
10/8/19 2:00	2:00	6.13	10/8/19 2:25	2:30	6.54	0:25:00	Cleaned Out Baghouse Offline

10/5/19 22:00	22:00	6.65	10/5/19 22:25	22:30	6.79	0:25:00	Cleaned Out Baghouse Offline
10/3/19 22:41	22:30	7.32	10/3/19 23:06	23:15	6.47	0:25:00	Cleaned Out Baghouse Offline
10/2/19 1:20	1:15	6.70	10/2/19 1:45	1:45	6.76	0:25:00	Cleaned Out Baghouse Offline
10/1/19 11:15	11:15	7.21	10/1/19 11:40	11:45	7.31	0:25:00	Cleaned Out Baghouse Offline
9/28/19 22:57	22:45	7.30	9/28/19 23:22	23:30	6.14	0:25:00	Cleaned Out Baghouse Offline
9/27/19 5:45	5:45	7.43	9/27/19 6:00	6:15	5.39	0:15:00	Cleaned Out Baghouse Offline
9/26/19 22:05	22:00	7.48	9/26/19 22:26	22:30	5.52	0:21:00	Cleaned Out Baghouse Offline
9/24/19 22:55	22:45	6.57	9/24/19 23:20	23:30	5.77	0:25:00	Cleaned Out Baghouse Offline
9/23/19 23:00	23:00	6.63	9/23/19 23:25	23:30	5.69	0:25:00	Cleaned Out Baghouse Offline
9/23/19 4:25	4:15	6.83	9/23/19 4:50	5:00	5.84	0:25:00	Cleaned Out Baghouse Offline

9/20/19 23:05	23:00	5.71	9/20/19 23:30	23:45	6.07	0:25:00	Cleaned Out Baghouse Offline
9/17/19 20:00	20:00	6.21	9/17/19 20:24	20:30	6.60	0:24:00	Cleaned Out Baghouse Offline
9/16/19 20:15	20:15	7.02	9/16/19 20:40	20:45	6.22	0:25:00	Cleaned Out Baghouse Offline
9/12/19 21:30	21:30	6.54	9/12/19 21:52	22:00	6.02	0:22:00	Cleaned Out Baghouse Offline
9/11/19 22:11	22:00	7.06	9/11/19 22:36	22:45	6.07	0:25:00	Cleaned Out Baghouse Offline
9/7/19 20:07	20:00	6.49	9/7/19 20:34	20:45	5.49	0:27:00	Cleaned Out Baghouse Offline
8/28/19 21:38	21:30	5.75	8/28/19 22:03	22:15	5.50	0:25:00	Cleaned Out Baghouse Offline
8/16/19 20:12	20:00	6.67	8/16/19 20:37	20:45	6.49	0:25:00	Cleaned Out Baghouse Offline
8/14/19 20:25	20:15	7.02	8/14/19 20:50	21:00	6.64	0:25:00	Cleaned Out Baghouse Offline
8/11/19 20:10	20:00	7.00	8/11/19 20:35	20:45	6.56	0:25:00	Cleaned Out Baghouse Offline

8/10/19 21:25	21:15	6.98	8/10/19 21:50	22:00	6.35	0:25:00	Cleaned Out Baghouse Offline
8/9/19 23:05	23:00	7.06	8/9/19 23:30	23:45	6.50	0:25:00	Cleaned Out Baghouse Offline
8/8/19 22:20	22:15	5.49	8/8/19 22:45	23:00	5.23	0:25:00	Cleaned Out Baghouse Offline
8/6/19 1:15	1:15	5.49	8/6/19 1:40	1:45	5.93	0:25:00	Cleaned Out Baghouse Offline
8/5/19 1:26	1:15	4.99	8/5/19 1:51	2:00	5.52	0:25:00	Cleaned Out Baghouse Offline
8/1/19 1:35	1:30	6.67	8/1/19 2:00	2:15	5.97	0:25:00	Cleaned Out Baghouse Offline
7/30/19 1:22	1:15	6.64	7/30/19 1:50	2:00	6.64	0:28:00	Cleaned Out Baghouse Offline
7/28/19 20:05	20:00	6.76	7/28/19 20:30	20:45	6.05	0:25:00	Cleaned Out Baghouse Offline
7/26/19 20:25	20:15	6.47	7/26/19 20:50	21:00	5.94	0:25:00	Cleaned Out Baghouse Offline
7/24/19 20:30	20:30	5.30	7/24/19 20:55	21:00	5.85	0:25:00	Cleaned Out Baghouse Offline

7/22/19 20:30	20:30	6.50	7/22/19 20:55	21:00	6.24	0:25:00	Cleaned Out Baghouse Offline
7/18/19 20:32	20:30	6.38	7/18/19 20:55	21:00	5.66	0:23:00	Cleaned Out Baghouse Offline
7/15/19 19:58	19:45	4.97	7/15/19 20:23	20:30	5.32	0:25:00	Cleaned Out Baghouse Offline
7/11/19 23:00	23:00	5.35	7/11/19 23:25	23:30	5.37	0:25:00	Cleaned Out Baghouse Offline
7/8/19 23:10	23:00	4.61	7/8/19 23:35	23:45	3.82	0:25:00	Cleaned Out Baghouse Offline
6/22/19 22:55	22:45	5.62	6/22/19 23:20	23:30	4.11	0:25:00	Cleaned Out Baghouse Offline
6/3/19 20:35	20:30	7.87	6/3/19 20:55	21:00	7.16	0:20:00	Cleaned Out Baghouse Offline
6/3/19 4:55	4:45	7.92	6/3/19 5:20	5:30	7.84	0:25:00	Cleaned Baghouse Offline
6/3/19 2:00	2:00	8.13	6/3/19 2:27	2:30	7.26	0:27:00	Cleaned Baghouse Offline
6/2/19 20:00	20:00	7.79	6/2/19 20:25	20:30	7.57	0:25:00	Cleaned Out Baghouse Offline
6/2/19 17:22	17:15	7.56	6/2/19 17:45	18:00	7.51	0:23:00	Cleaned Baghouse Offline

6/2/19 12:14	12:00	8.02	6/2/19 12:41	12:45	7.64	0:27:00	Cleaned Baghouse Offline
6/2/19 9:57	9:45	7.77	6/2/19 10:22	10:30	7.86	0:25:00	Cleaned Baghouse Offline
6/2/19 8:08	8:00	7.72	6/2/19 8:33	8:45	7.65	0:25:00	Cleaned Baghouse Offline
6/2/19 5:00	5:00	7.91	6/2/19 5:25	5:30	7.80	0:25:00	Cleaned Baghouse Offline
6/1/19 20:01	20:00	7.49	6/1/19 20:26	20:30	7.14	0:25:00	Cleaned Out Baghouse Offline
6/1/19 16:02	16:00	7.88	6/1/19 16:23	16:30	8.00	0:21:00	Cleaned Baghouse Offline
6/1/19 8:53	8:45	7.85	6/1/19 9:13	9:15	7.55	0:20:00	Cleaned Baghouse Offline
6/1/19 2:37	2:30	7.71	6/1/19 3:02	3:15	7.37	0:25:00	Cleaned Out Baghouse Offline
5/31/19 22:41	22:30	8.37	5/31/19 23:06	23:15	7.76	0:25:00	Cleaned Out Baghouse Offline
5/31/19 17:20	17:15	7.99	5/31/19 17:45	18:00	7.40	0:25:00	Cleaned Out Baghouse Offline
5/31/19 7:15	7:15	7.93	5/31/19 7:40	7:45	7.67	0:25:00	Cleaned Out Baghouse Offline
5/31/19 5:17	5:15	7.84	5/31/19 5:42	5:45	7.89	0:25:00	Cleaned Out Baghouse Offline

5/31/19 3:36	3:00	7.89	5/31/19 4:01	4:15	7.99	0:25:00	Cleaned Out Baghouse Offline
5/31/19 3:07	3:00	7.89	5/31/19 3:32	4:15	7.99	0:25:00	Cleaned Out Baghouse Offline
5/31/19 1:24	0:30	7.94	5/31/19 1:49	2:00	7.93	0:25:00	Cleaned Out Baghouse Offline
5/31/19 0:35	0:30	7.94	5/31/19 1:00	2:00	7.93	0:25:00	Cleaned Out Baghouse Offline
5/30/19 23:25	23:15	7.78	5/30/19 23:50	0:00	7.58	0:25:00	Cleaned Out Baghouse Offline
5/30/19 20:30	20:30	7.21	5/30/19 20:55	21:00	7.59	0:25:00	Cleaned Out Baghouse Offline
5/30/19 14:17	14:15	7.71	5/30/19 14:43	14:45	7.56	0:26:00	Cleaned Out Baghouse Offline
5/30/19 9:04	9:00	7.89	5/30/19 9:29	9:45	7.46	0:25:00	Cleaned Out Baghouse Offline
5/30/19 2:05	2:00	7.60	5/30/19 2:30	2:45	7.60	0:25:00	Cleaned Out Baghouse Offline
5/29/19 20:25	20:15	7.54	5/29/19 20:50	21:00	7.46	0:25:00	Cleaned Out Baghouse Offline

5/29/19 18:35	18:30	8.16	5/29/19 19:00	19:00	7.39	0:25:00	Cleaned Out Baghouse Offline
5/29/19 14:01	13:45	7.69	5/29/19 14:25	14:30	7.58	0:24:00	Cleaned Out Baghouse Offline
5/29/19 8:40	8:30	7.77	5/29/19 9:02	9:15	7.43	0:22:00	Cleaned Out Baghouse Offline
5/29/19 4:15	4:15	7.99	5/29/19 4:40	4:45	7.19	0:25:00	Cleaned Out Baghouse Offline
5/28/19 20:05	20:00	7.44	5/28/19 20:30	20:45	7.17	0:25:00	Cleaned Out Baghouse Offline
5/28/19 12:08	12:00	7.61	5/28/19 12:25	12:30	7.50	0:17:00	Cleaned Out Baghouse Offline
5/27/19 21:45	21:45	7.67	5/27/19 22:10	22:15	7.11	0:25:00	Cleaned Out Baghouse Offline
5/27/19 4:25	4:15	7.78	5/27/19 4:50	5:00	7.08	0:25:00	Cleaned Out Baghouse Offline
5/26/19 22:47	22:45	8.21	5/26/19 23:12	23:15	7.63	0:25:00	Cleaned Out Baghouse Offline
5/26/19 21:06	21:00	7.83	5/26/19 21:31	21:45	7.77	0:25:00	Cleaned Out Baghouse Offline

5/26/19 14:49	14:45	7.91	5/26/19 15:14	15:15	7.49	0:25:00	Cleaned Out Baghouse Offline
5/26/19 9:52	9:45	7.75	5/26/19 10:17	10:30	7.68	0:25:00	Cleaned Out Baghouse Offline
5/26/19 7:17	7:15	8.02	5/26/19 7:42	7:45	7.69	0:25:00	Cleaned Out Baghouse Offline
5/26/19 4:20	4:15	7.99	5/26/19 4:45	5:00	7.69	0:25:00	Cleaned Out Baghouse Offline
5/25/19 22:35	22:30	8.04	5/25/19 23:00	23:15	7.15	0:25:00	Cleaned Out Baghouse Offline
5/25/19 20:21	20:15	8.12	5/25/19 20:46	21:00	7.36	0:25:00	Cleaned Out Baghouse Offline
5/25/19 15:10	15:00	7.95	5/25/19 15:35	15:45	7.48	0:25:00	Cleaned Out Baghouse Offline
5/24/19 20:00	20:00	7.71	5/24/19 20:25	20:30	7.12	0:25:00	Cleaned Out Baghouse Offline
5/24/19 11:06	11:00	7.85	5/24/19 11:25	11:30	7.12	0:19:00	Cleaned Out Baghouse Offline
5/23/19 20:01	20:00	6.82	5/23/19 20:25	20:30	6.69	0:24:00	Cleaned Out Baghouse Offline

5/23/19 16:50	16:45	7.97	5/23/19 17:13	17:15	7.69	0:23:00	Cleaned Out Baghouse Offline
5/22/19 20:30	20:30	7.29	5/22/19 20:55	21:00	7.00	0:25:00	Cleaned Out Baghouse Offline
5/21/19 11:46	11:45	6.54	5/21/19 11:49	12:00	6.63	0:03:00	Cleaned Out Baghouse Offline
5/20/19 20:17	20:15	6.94	5/20/19 20:39	20:45	7.06	0:22:00	Cleaned Out Baghouse Offline
5/19/19 20:17	20:15	7.30	5/19/19 20:39	20:45	7.38	0:22:00	Cleaned Out Baghouse Offline
5/18/19 20:20	20:15	7.38	5/18/19 20:45	21:00	6.95	0:25:00	Cleaned Out Baghouse Offline
5/18/19 1:48	1:45	7.89	5/18/19 2:13	2:15	7.14	0:25:00	Cleaned Out Baghouse Offline
5/16/19 23:20	23:15	7.68	5/16/19 23:45	0:00	7.29	0:25:00	Cleaned Out Baghouse Offline
5/15/19 20:18	20:15	7.57	5/15/19 20:43	20:45	7.19	0:25:00	Cleaned Out Baghouse Offline
5/14/19 20:24	20:15	7.80	5/14/19 20:49	21:00	7.25	0:25:00	Cleaned Out Baghouse Offline